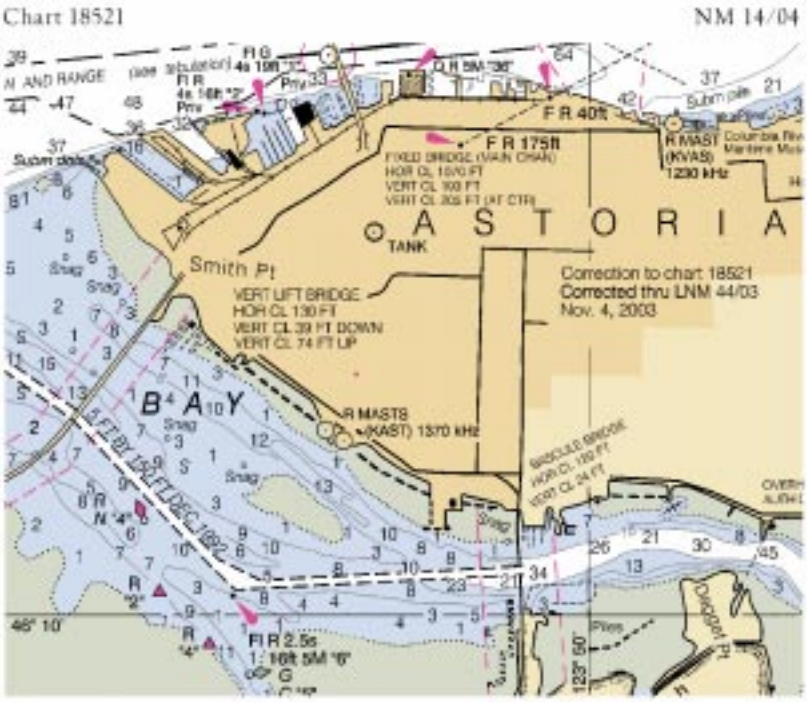


Chart 18521
NM 14/04
ASTORIA
Smith Pt
Correction to chart 18521
Corrected thru LNM 44/03
Nov. 4, 2003
VERT LIFT BRIDGE
HOR CL 130 FT
VERT CL 39 FT DOWN
VERT CL 74 FT UP
R MAST8
(KAST) 1370 kHz
F R 175ft
F R 40ft
R MAST
(KVAS)
1230 kHz
TANK
Fl R 2.5s

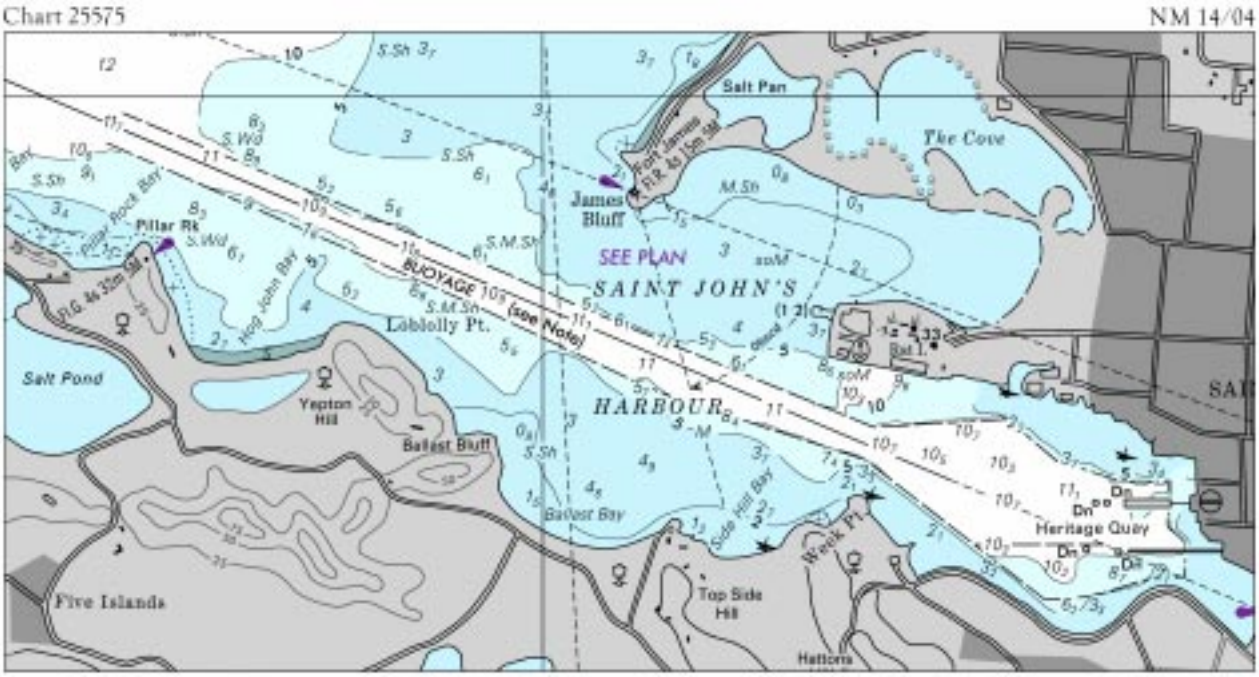


Chart 25575
NM 14/04
Salt Pan
The Cove
James Bluff
SEE PLAN
SAINT JOHN'S
HARBOUR
BUOYAGE (see Note)
Pillar Rk
Pillar Rock Bay
Hog John Bay
Lobloily Pt.
Salt Pond
Yepton Hill
Ballast Bluff
Ballast Bay
Side Hill Bay
Wreck Pt.
Top Side Hill
Heritage Quay
Five Islands
Hattons

Chart 25575 (Plan) NM 14/04

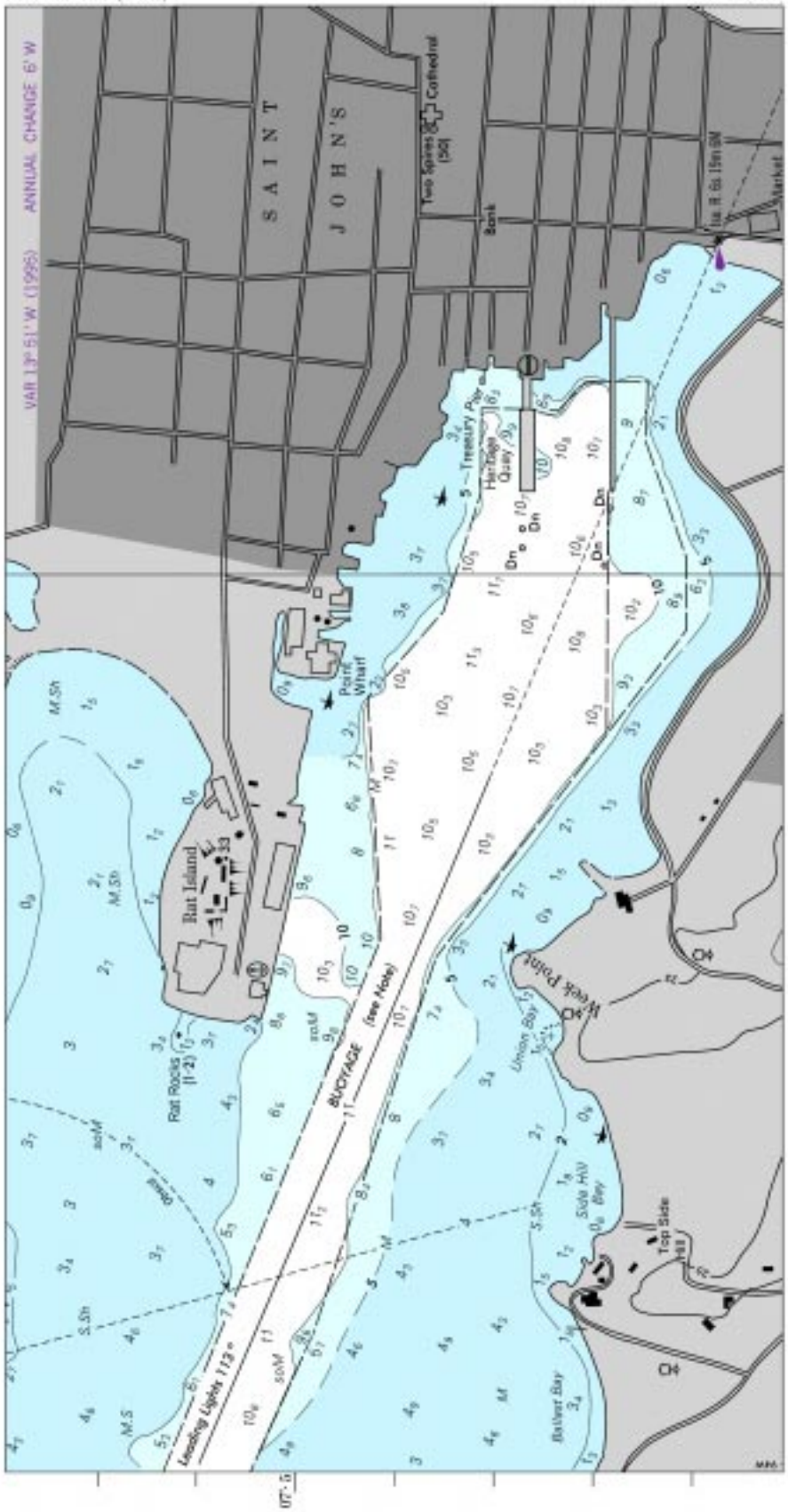


Chart 52122 NM 14/04

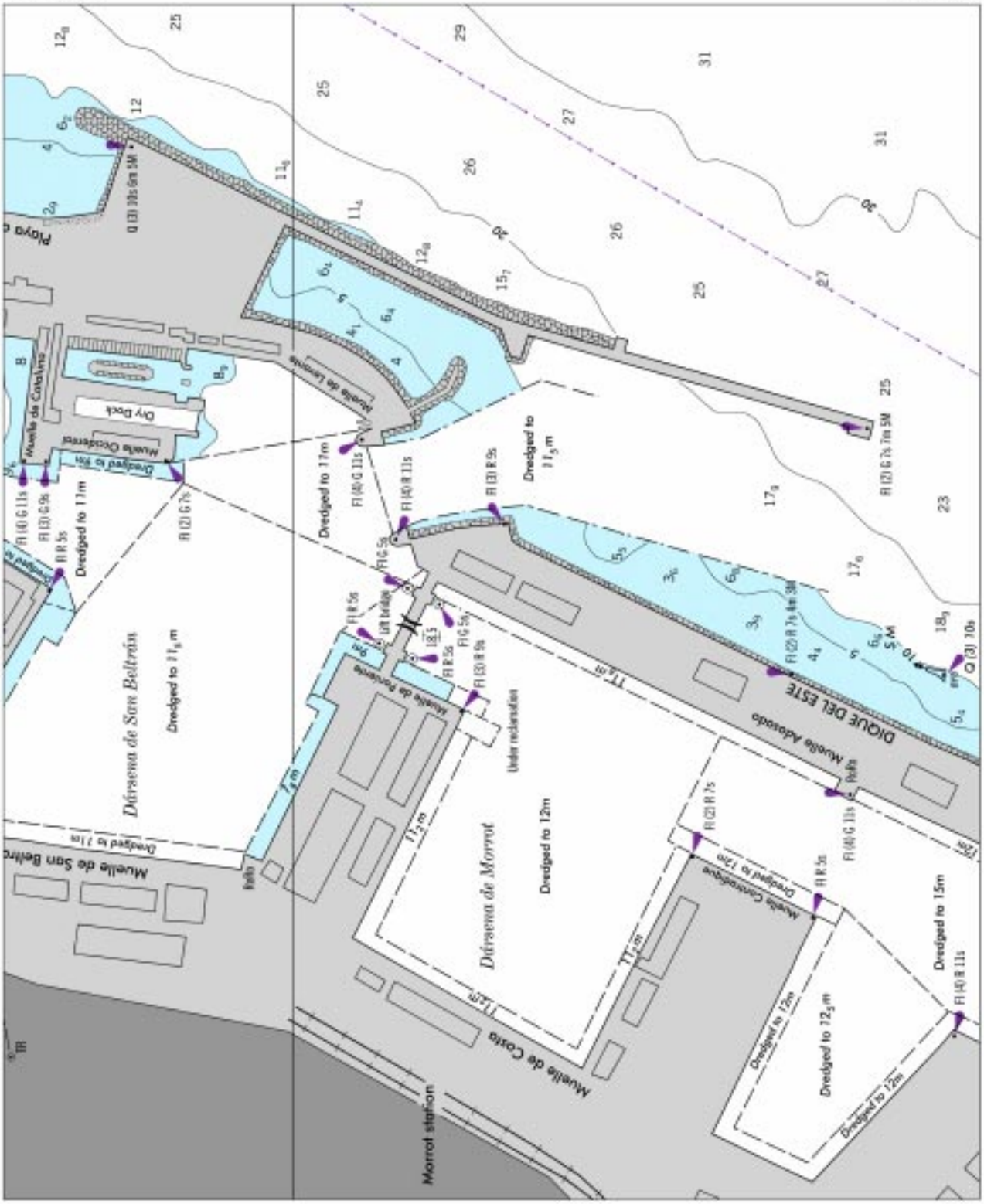


Chart 52125 NM 14/04

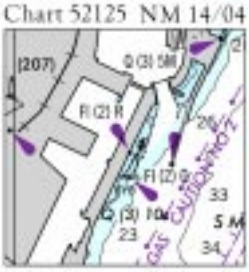
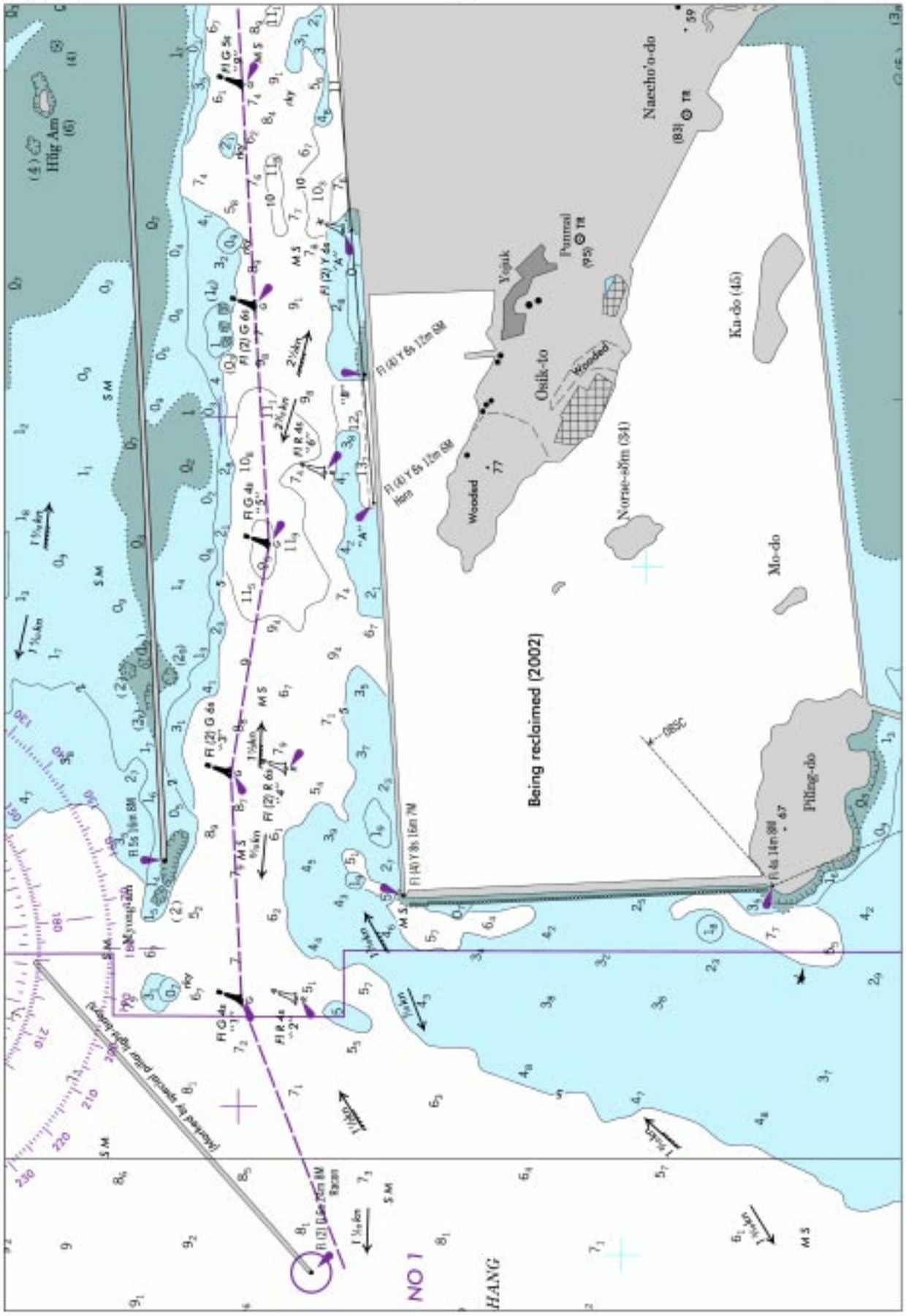


Chart 95082 (A) NM 14/04



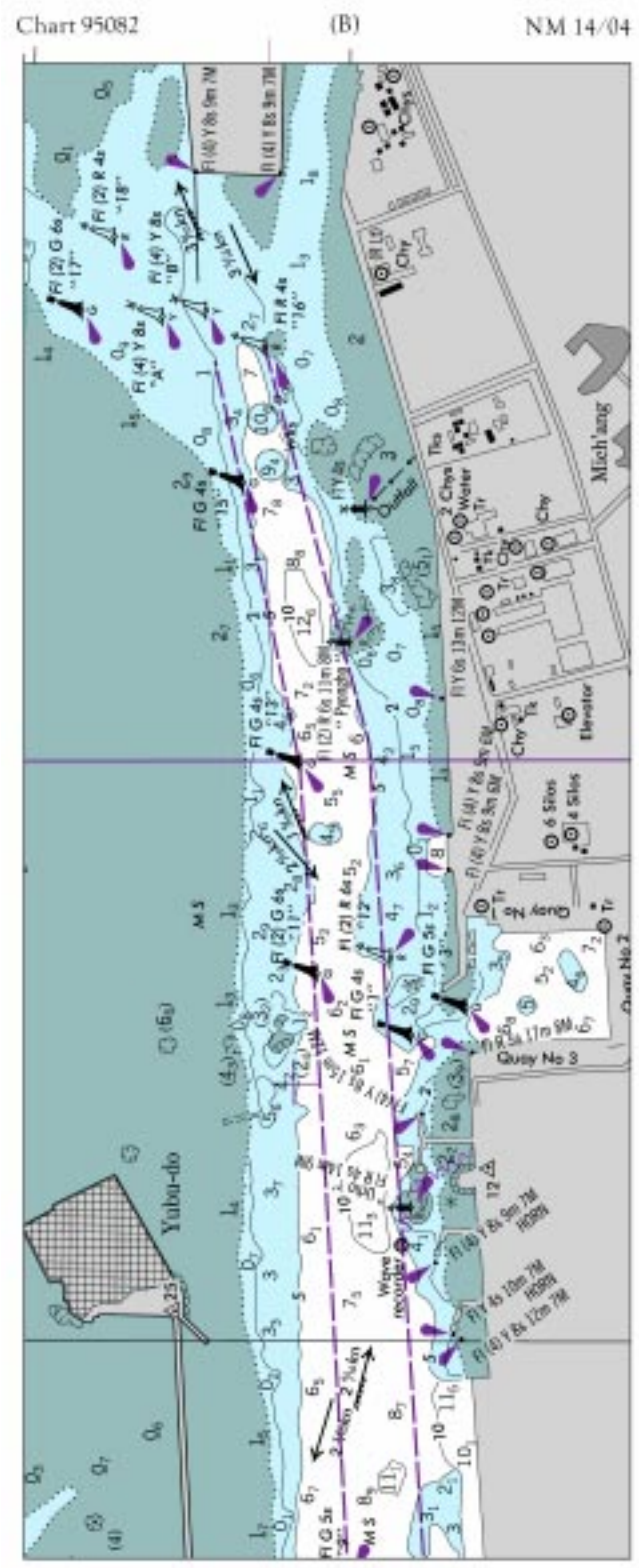


Chart 95082
(B)
NM 14/04
Mich'ang
Yubu-do
Quay No 3
Quay No 2
Elevator
Outfall
Wave recorder

Chart 11441 NM 14/04

KEY WEST HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2001 AND SURVEYS TO NOV 2001

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
MAIN CHANNEL RANGE	33.6	33.8	33.2	11-01	300	2.68	34
CUT A RANGE	32.3	33.1	32.0	11-01	800	1.03	34
CUT B RANGE	A34.7	34.8	33.0	11-01	800-300	1.16	34
THENCE TO BUOY 23	34.0	33.2	B33.2	11-01	300	.75	34
BUOY 23 TO TURNING BASIN	30.2	30.7	31.3	11-01	300	.24	30
KEY WEST BIGHT CHANNEL	16.2	C,E16.1	D14.8	11-01	150	.50	12

A. CORAL HEAD LOCATED WITH A DEPTH OF 32 FEET, LOCATED AT 24°31'46.6"N; 81°48'58.7"W.
B. OBSTRUCTION LOCATED WITH A DEPTH OF 30 FEET, LOCATED AT 24°33'30.8"N; 81°48'35.3"W.
C. OBSTRUCTION LOCATED WITH A DEPTH OF 14 FEET, LOCATED AT 24°33'47.2"N; 81°48'19.8"W.
D. OBSTRUCTION LOCATED WITH A DEPTH OF 25 FEET, LOCATED AT 24°33'44.7"N; 81°48'26.2"W.
E. OBSTRUCTION LOCATED WITH A DEPTH OF 13 FEET, LOCATED AT 24°33'48.4"N; 81°47'58.8"W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11447 NM 14/04

KEY WEST HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2001 AND SURVEYS TO NOV 2001

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
MAIN CHANNEL RANGE	33.6	33.8	32.2	11-01	300	2.68	34
CUT A RANGE	32.3	33.1	32.0	11-01	800	1.03	34
CUT B RANGE	A34.7	34.8	33.0	11-01	800-300	1.16	34
THENCE TO BUOY 23	34.0	33.2	B33.2	11-01	300	.75	34
BUOY 23 TO TURNING BASIN	30.2	30.7	31.3	11-01	300	.34	30
KEY WEST BIGHT CHANNEL	16.2	C,E16.1	D14.8	11-01	150	.50	12
TURNING BASIN	13.3	14.5	14.4	11-01	125-300	.10	12

A. CORAL HEAD LOCATED WITH A DEPTH OF 32 FEET, LOCATED AT 24°31'46.6"N; 81°48'58.7"W.
B. OBSTRUCTION LOCATED WITH A DEPTH OF 30 FEET, LOCATED AT 24°33'30.8"N; 81°48'35.3"W.
C. OBSTRUCTION LOCATED WITH A DEPTH OF 14 FEET, LOCATED AT 24°33'47.2"N; 81°48'19.8"W.
D. OBSTRUCTION LOCATED WITH A DEPTH OF 25 FEET, LOCATED AT 24°33'44.7"N; 81°48'26.2"W.
E. OBSTRUCTION LOCATED WITH A DEPTH OF 13 FEET, LOCATED AT 24°33'48.4"N; 81°47'58.8"W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11466 NM 14/04

LAKE WORTH INLET CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2003 AND SURVEYS TO APR 2003

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	35.3	36.8	36.9	4-03	400	.66	35
LAKE WORTH INNER CHANNEL	32.5	36.3	34.0	4-03	300-500	.49	33

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11490 (Upper Panel) NM 14/04

ST. JOHNS RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2003 AND SURVEYS TO NOV 2003

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ST. JOHNS BAR CUT RANGE, EAST SECTION	35.8	38.9	46.0	34.5	11-03	600	2.1	42
ST. JOHNS BAR CUT RANGE, WEST SECTION	41.8	42.6	42.6	42.2	8-03	600	1.8	38
PILOT TOWN CUT RANGE	42.4	42.2	42.4	42.5	5-03	550	1.0	38

NOTES-(1) THE RANGE LIGHTS DO NOT IN EVERY INSTANCE MARK THE CENTERLINE OF THE CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11491 (Side B) NM 14/04

ST. JOHNS RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2003
AND SURVEYS TO JUL 2003

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
QUARANTINE I. UPPER RANGE	42.8	42.4	42.6	42.5	6-03	1000-550	0.7	38
BRILLS CUT RANGE	41.3	42.1	42.2	42.2	4-03	550-450	0.9	38
BROWARD POINT TURN	40.8	42.0	42.2	42.1	4-03	625-850	1.0	38
DRUMMOND CREEK RANGE	38.4	39.9	38.6	36.7	7-03	650-400	1.5	38
TROUT RIVER CUT RANGE	37.5	39.8	41.2	38.2	7-03	400-500	1.0	38
CHASEVILLE TURN	36.3	38.6	38.8	35.8	7-03	500-700	0.6	38
LONG BRANCH RANGE	35.4	39.1	40.1	37.5	7-03	650-2000	0.7	38
TERMINAL CHANNEL	29.7	31.4	34.3	31.6	7-03	575-1025	2.7	34-38

NOTE: THE RANGE LIGHTS DO NOT IN EVERY INSTANCE MARK THE CENTERLINE OF THE CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11493 NM N14/04

ST. MARYS ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2003
AND SURVEYS TO OCT 2003

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	44.2	45.8	45.4	38.6	10-03	500	9.3	46
RANGE A	45.0	47.6	47.4	43.2	7-01	482	1.34	42
RANGE A1, A2	46.2	43.3	44.5	40.0	7-01	591-634	0.66	42
RANGE B	47.1	47.2	46.5	44.8	7-01	592-655	0.55	42
RANGE C	37.2	45.2	46.3	42.8	7-01	498	1.19	42
RANGE D	39.3	43.7	42.6	35.3	7-01	488-488	1.35	42
RANGE E	41.9	41.7	42.0	38.8	7-01	512	0.87	42
RANGE F (WARRIOR REACH)	39.4	40.7	43.3	39.9	7-01	564-636	0.25	42
RANGE G (SOUTH TURNING BASIN)	34.7	40.3	41.5	43.5	7-01	683-1161	0.49	42
RANGE H (TENNESSEE REACH)	33.1	40.3	41.6	40.8	7-01	483-1197	0.93	42
RANGE I (NORTH TURNING BASIN)	44.6	45.3	44.5	35.0	7-01	483-1425	0.46	42

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11494 NM N14/04

ST. MARYS ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2003
AND SURVEYS TO OCT 2003

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	44.2	45.8	45.4	38.6	10-03	500	8.3	46
RANGE A	45.0	47.6	47.4	43.2	7-01	482	1.34	42
RANGE A1, A2	45.2	43.3	44.5	40.0	7-01	591-834	0.66	42
RANGE B	47.1	47.2	46.5	44.8	7-01	582-655	0.55	42
RANGE C	37.2	45.2	46.3	42.8	7-01	498	1.19	42
RANGE D	36.3	43.7	42.6	35.3	7-01	489-498	1.35	42
RANGE E	41.9	41.7	42.0	36.8	7-01	512	0.87	42

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11503 NM 14/04

FERNANDINA HARBOR
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2003
AND SURVEYS TO OCT 2003

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)			
NAME OF CHANNEL	DEPTH MLLW (FEET)	WIDTH (FEET)	DATE OF SURVEY
QUARANTINE REACH	35.6	400-1100	10-03
OLD TOWN REACH	33.2	400-550	10-03
SEABOARD REACH	34.9	400	10-03
CITY FRONT REACH	30.0	300	10-03
BAYONNER REACH	7.0	300	10-03

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS
SUBSEQUENT TO THE ABOVE

Chart 11503 NM 14/04

ST. MARYS ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2003
AND SURVEYS TO OCT 2003

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	44.2	45.8	45.4	38.6	10-03	500	8.3	46
RANGE A	45.0	47.6	47.4	43.2	7-01	482	1.34	42
RANGE A1, A2	45.2	43.3	44.5	40.0	7-01	591-834	0.66	42
RANGE B	47.1	47.2	46.5	44.8	7-01	582-655	0.55	42
RANGE C	37.2	45.2	46.3	42.8	7-01	498	1.19	42
RANGE D	36.3	43.7	42.6	35.3	7-01	489-498	1.35	42
RANGE E	41.9	41.7	42.0	36.8	7-01	512	0.87	42
RANGE F (WARRIOR REACH)	39.4	40.7	43.3	39.9	7-01	591-836	0.25	42
RANGE G (SOUTH TURNING BASIN)	34.7	40.3	41.5	43.5	7-01	661-1181	0.49	42
RANGE H (TENNESSEE REACH)	33.1	40.3	41.6	40.8	7-01	492-1197	0.83	42
RANGE I (NORTH TURNING BASIN)	44.6	46.3	44.5	35.0	7-01	493-1426	0.46	42

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11505 NM 14/04

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
TYBEE RANGE	43.5	43.0	44.0	42.5	01-04	600	3.3	44
BLOODY POINT RANGE	44.0	43.0	43.0	42.5	01-04	600	3.0	44
JONES ISLAND RANGE	44.0	43.0	42.5	44.0	01-04	600	1.2	44
TYBEE KNOLL CUT RANGE	42.5	43.0	43.5	43.0	01-04	600	2.5	42

NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.

NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.

NOTE- CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11512 NM 14/04

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
TYBEE RANGE	43.5	43.0	44.0	42.5	01-04	600	3.3	44
BLOODY POINT RANGE	44.0	43.0	43.0	42.5	01-04	600	3.0	44
JONES ISLAND RANGE	44.0	43.0	42.5	44.0	01-04	600	1.2	44
TYBEE KNOLL CUT RANGE	42.5	43.0	43.5	43.0	01-04	600	2.5	42
NEW CHANNEL RANGE (A)	42.5	42.5	44.0	43.5	01-04	500	1.6	42
L. I. CROSSING RANGE	44.0	44.5	43.0	46.0	01-04	500	2.6	42
LOWER FLATS RANGE	43.5	46.0	45.0	43.5	01-04	500	1.3	42
UPPER FLATS RANGE	43.5	46.0	46.0	46.5	01-04	500	1.2	42
THE BIGHT CHANNEL	43.5	47.5	46.0	47.5	01-04	500	1.5	42
FT. JACKSON RANGE	44.5	47.5	45.5	43.0	01-04	500	0.7	42
OGLETHORPE RANGE	41.0	45.0	45.0	42.5	01-04	500	1.2	42
WRECKS CHANNEL (B)	42.0	43.0	46.0	43.0	01-04	500	1.5	42
CITY FRONT CHANNEL	42.5	43.0	42.5	38.5	01-04	500	1.5	42
MARSH ISLAND CHANNEL (C)	41.0	43.5	44.0	42.0	01-04	500	1.7	42
KINGS ISLAND CHANNEL (D)	41.0	42.0	43.5	42.0	01-04	500	2.1	42
WHITEHALL CHANNEL (E)	30.0	32.5	35.0	37.5	01-04	400	0.6	40-36
PORT WENTWORTH CHANNEL (F)	30.0	32.0	30.5	32.0	12-04; 01-04	200	1.2	30

A. OYSTER BED I. TURNING BASIN-CONTROLLING DEPTH 43.0 FT, 43.0 FT 100 FT FROM BACKSIDE.

B. PIG ISLAND TURNING BASIN-CONTROLLING DEPTH 40.0 FT, 30.5 FT 100 FT FROM BACKSIDE.

C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 38.0 FT, 30.5 FT 100 FT FROM BACKSIDE.

D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 40.0 FT, 50.0 FT 100 FT FROM BACKSIDE.

E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 40.5 FT 100 FT FROM BACKSIDE.

F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 30.0 FT, 27.5 FT 100 FT FROM BACKSIDE.

NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.

NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.

NOTE- CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11514 (Side A) NM 14/04

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
OGLETHORPE RANGE	41.0	45.0	45.0	42.5	01-04	500	1.2	42
WRECKS CHANNEL (A)	42.0	43.0	46.0	45.0	01-04	500	1.5	42
CITY FRONT CHANNEL	42.5	43.0	42.5	36.5	01-04	500	1.5	42
MARSH ISLAND CHANNEL (B)	41.0	43.5	44.0	42.0	01-04	500	1.7	42
KINGS ISLAND CHANNEL (C)	41.0	42.0	43.5	42.0	01-04	500	2.1	42
WHITEHALL CHANNEL (D)	30.0	32.5	35.0	37.5	01-04	400	0.6	42-36
PORT WENTWORTH CHANNEL (E)	30.0	32.0	30.5	32.0	12-94; 01-04	300	1.2	30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 40.0 FT, 30.5 FT 100 FT FROM BACKSIDE.
B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 35.0 FT, 30.5 FT 100 FT FROM BACKSIDE.
C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 48.0 FT, 50.0 FT 100 FT FROM BACKSIDE.
D. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 40.5 FT 100 FT FROM BACKSIDE.
E. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 32.0 FT, 27.5 FT 100 FT FROM BACKSIDE.
NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.
NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.
NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11521 NM 14/04

CHARLESTON HARBOR ENTRANCE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2003

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
FORT SUMTER RANGE	46.8	47.8	47.5	47.0	4-03	1000	14.8	47
MOUNT PLEASANT RANGE	46.7	47.5	45.8	47.6	8-03	1000-600	1.6	45

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11523 NM 14/04

CHARLESTON HARBOR ENTRANCE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2003

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
FORT SUMTER RANGE	46.8	47.8	47.5	47.0	4-03	1000	14.8	47
MOUNT PLEASANT RANGE	46.7	47.5	45.8	47.6	8-03	1000-600	1.6	45
REBELLION REACH	47.4	48.8	47.8	46.1	8-03	600	1.4	45

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11524 NM 14/04

CHARLESTON HARBOR, COOPER RIVER AND SHIPYARD RIVER
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS- SURVEYS TO SEP 2003

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
FORT SUMTER RANGE	46.8	47.8	47.5	47.0	4-03	1800	14.8	47
MOUNT PLEASANT RANGE	46.7	47.5	45.8	47.8	8-03	1000-600	1.6	45
REBELLION REACH	47.4	48.8	47.8	48.1	8-03	600	1.4	45
SHUTES-FOLLY REACH	48.2	49.1	48.4	48.9	9-03	600-600	1.3	45
HORSE REACH	48.6	49.5	48.1	48.0	9-03	600	0.5	45
CUSTOMHOUSE REACH	47.1	49.2	48.8	47.3	9-03	1385	0.2	45
SOUTH CHANNEL	24.4	24.6	24.5	A24.3	10-96	600-1000	3.1	45
HOG ISLAND REACH	46.5	46.9	45.2	42.6	9-03	600-1300	1.6	45
DRUM ISLAND REACH	46.2	47.6	48.2	42.3	5-03	600-1300	0.7	45
TOWN CREEK LOWER REACH	39.5	39.0	39.0	38.2	9-03	430-450	1.1	45
TURNING BASIN	36.5	34.3	34.2	33.4	5-02	250	0.25	35
TOWN CREEK UPPER REACH	38.2	40.2	B40.9	40.5	11-01;5-02	250	1.0	16
MYERS BEND	42.0	47.2	47.5	47.5	11-01;5-03	600-900	0.4	45
DANIEL ISLAND REACH	46.6	46.2	44.8	39.0	5-03	880-980	1.2	45
DANIEL ISLAND BEND	49.2	46.5	48.9	46.3	5-03	700-780	0.4	45
CLOUTER CREEK REACH	C41.0	42.6	42.8	40.2	5-03	600	0.9	45
NAVY YARD REACH	38.9	42.2	40.6	34.7	5-03	600-700	1.1	45
NORTH CHARLESTON REACH	36.0	41.5	43.7	46.8	5-03	500-600	1.0	45
PILBIN CREEK REACH	47.0	47.7	47.8	47.3	6-03	500	0.6	45
PORT TERMINAL REACH	41.3	42.5	44.8	44.9	6-03	600	0.7	45
ORDNANCE REACH	39.9	41.2	41.0	41.7	6-03	600	0.3	45
ORDNANCE REACH TURNING BASIN	43.9	40.6	38.4	37.9	6-03	600	0.26	45
WANDO RIVER								
LOWER REACH	45.8	46.3	47.1	45.9	6-03	1500-400	1.3	45
UPPER REACH	46.8	47.1	47.4	42.1	5-03	400-650	0.74	45
TURNING BASIN	49.2	49.9	48.6	49.7	5-03	580	0.3	45
SHIPYARD CREEK								
MAIN CHANNEL	26.2	27.4	29.0	27.2	8,10-00	1200-300	1.0	30
LOWER TURNING BASIN	37.9	39.9	40.0	40.9	8,10-00	700	0.2	38
UPPER TURNING BASIN	22.0	23.4	23.7	24.7	8,10-00	600	0.15	30
COOPER RIVER								
RANGE A	38.7	37.4	38.3	39.9	7,9-98;12-99	400-1350	1.82	35
RANGE B	28.5	25.2	36.4	37.0	12-99	VARIES	0.74	35
RANGE C	28.6	D26.1	38.3	36.1	7,8-98;12-98;1-00	VARIES	0.76	35
RANGE D	36.2	37.4	37.8	37.1	2-00	VARIES	0.58	35
RANGE E	32.1	34.6	36.2	36.3	1-96	VARIES	0.38	35
RANGE F	25.0	36.6	36.2	33.9	1-96	VARIES	0.29	35

A. ALONG CHANNEL EDGE.
B. OBSTRUCTION LOCATED WITH A DEPTH OF 39 FEET, AT 32°48'45.0"N; 79°55'45.7"W.
C. OBSTRUCTION LOCATED WITH A DEPTH OF 34 FEET, AT 32°51'06.8"N; 79°57'10.1"W.
D. OBSTRUCTION LOCATED WITH A DEPTH OF 37 FEET, AT 32°58'15.9"N; 79°58'54.8"W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 25670 NM 14/04

BAHIA DE SAN JUAN CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2003
AND REPORT OF NOV 2003

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BAR CHANNEL	42.7	42.6	42.3	42.5	8-03	600-950	0.92	40
ANEGADO CHANNEL	43.4	41.9	42.0	39.9	8-03	800	1.22	40
SAN ANTONIO APPROACH CHANNEL	35.6	36.4	37.3	33.6	8-03	600	0.52	35
SAN ANTONIO CHANNEL	28.6	32.8	35.3	32.2	8-03	500-900	0.01	30
GRAVING DOCK CHANNEL	34.4	37.3	37.8	34.7	8-03	350	0.87	35
ARMY TERMINAL CHANNEL	39.6	41.6	41.8	40.3	8-03	350	0.87	40
PUERTO NUEVO CHANNEL (TO A POINT IN 18°26'21.9"N., 66°25'21.4"W.)	37.4	38.2	38.6	37.1	8-03	350	0.56	38

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION